

Project Summary

I. INTRODUCTION

This source has applied for a renewal of its Clean Air Act Permit Program (CAAPP) operating permit. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. Unlike this source's current state operating permit(s), the conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

The Knapheide Manufacturing Co. is located at 3109 North 30th Street in Quincy. The source fabricates truck equipment accessories and the principal pollutant emitting process is coating of the parts, which result in VOM emissions.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Emission Control Equipment
PB-1	Paint Booth 1 with Flash Tunnel and Furnace	Filter
PB-2	Paint Booth 2 with Flash Tunnel and Bake Oven	Filter
PB-3	Paint Booth 3 with Bake Oven	Filter
PB-4	Paint Booth 4 with Bake Oven	Filter
PB-5	Paint Booth 5 with Bake Oven	Filter
E-Coat	Electrocoat Line including Stages for Cleaning and a Bake Oven	None
HW	Hand Wiping	None

III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of emissions. The proposed permit limits

the maximum annual emissions from significant emission units at the source. Insignificant activities at this source are not accounted for in the source limit.

For purposes of fees, the source is allowed the following emissions:

Pollutant	Tons/Year
Volatile Organic Material (VOM)	159.70
Sulfur Dioxide (SO ₂)	0.06
Particulate Matter (PM)	5.05
Nitrogen Oxides (NO _x)	8.97
HAP, not included in VOM or PM	
Total	173.8

The Source has requested that the Illinois EPA establish conditions in the CAAPP permit that allow various refinements from the conditions of the construction permit(s), consistent with the information provided in the CAAPP application. In addition, the Source has requested emission limits above that allowed in the previously issued construction

permit(s), and has addressed the applicability and compliance of 35 IAC Part 203, "Major Stationary Sources Construction and Modification" and/or 40 CFR 52.21, federal "Prevention of Significant Deterioration". These limits continue to ensure that the construction and/or modification addressed in the construction permit(s) does not constitute a new major source or major modification pursuant to these rules. These limits supersede the limitations established in the construction permit(s) and the information in the CAAPP application contains the most current and accurate information for the source as further detailed in the CAAPP permit.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

A CAAPP permit contains conditions listing the applicable state and federal air pollution control regulations that apply to a source. The permit conditions also establish emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the source is operating in accordance with the requirements of the permit.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 IAC 166.

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